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100

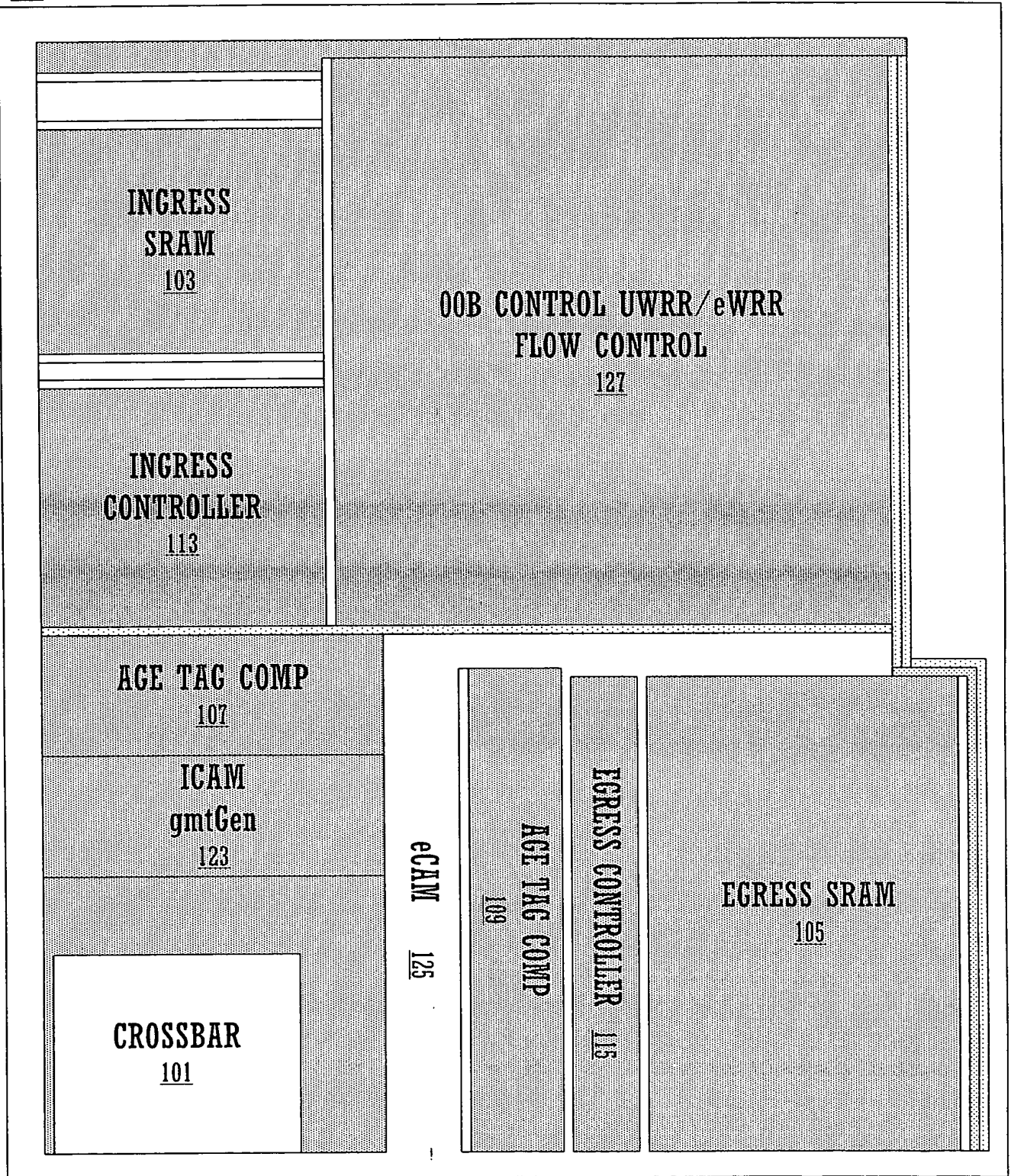


FIGURE 1

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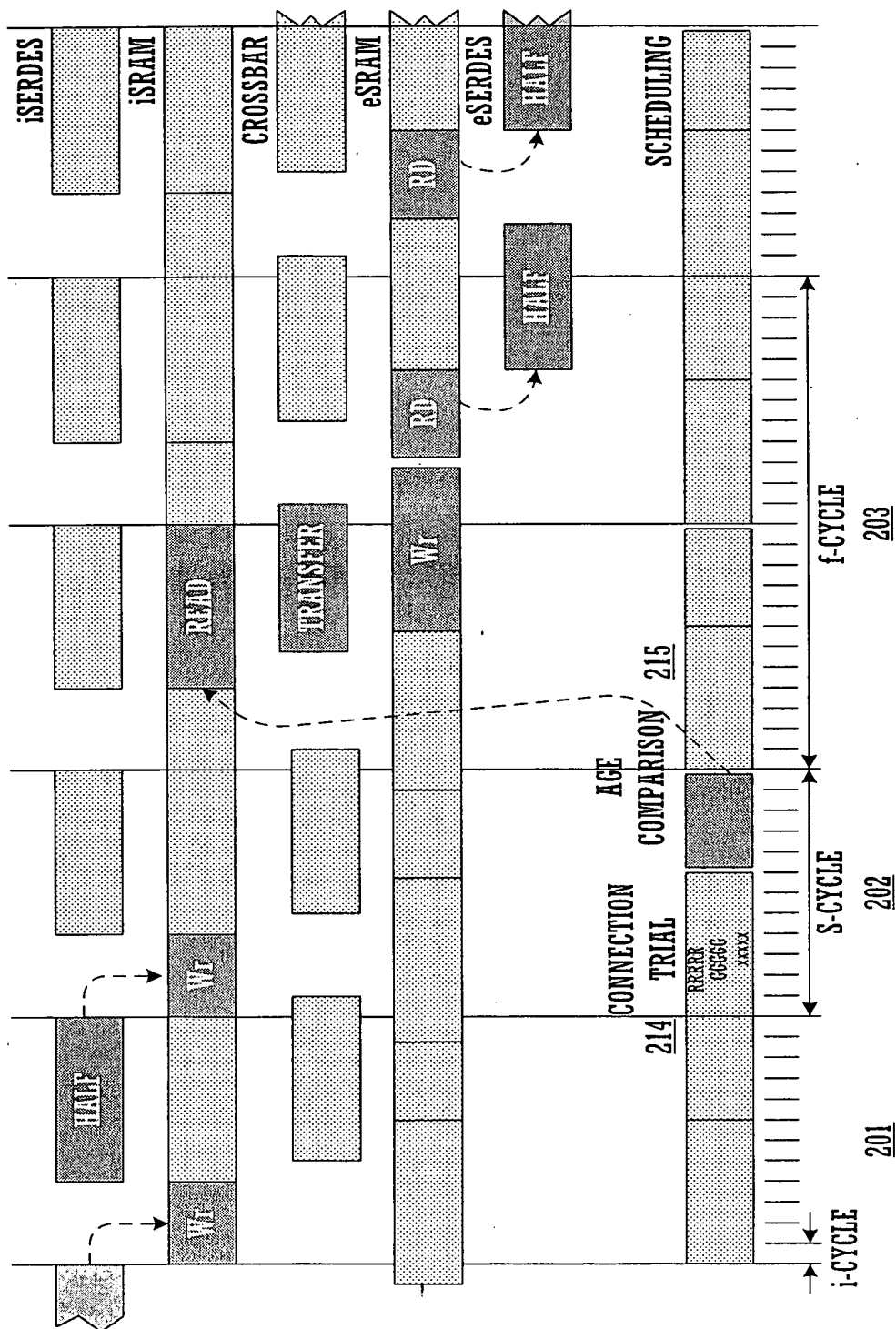


FIGURE 2

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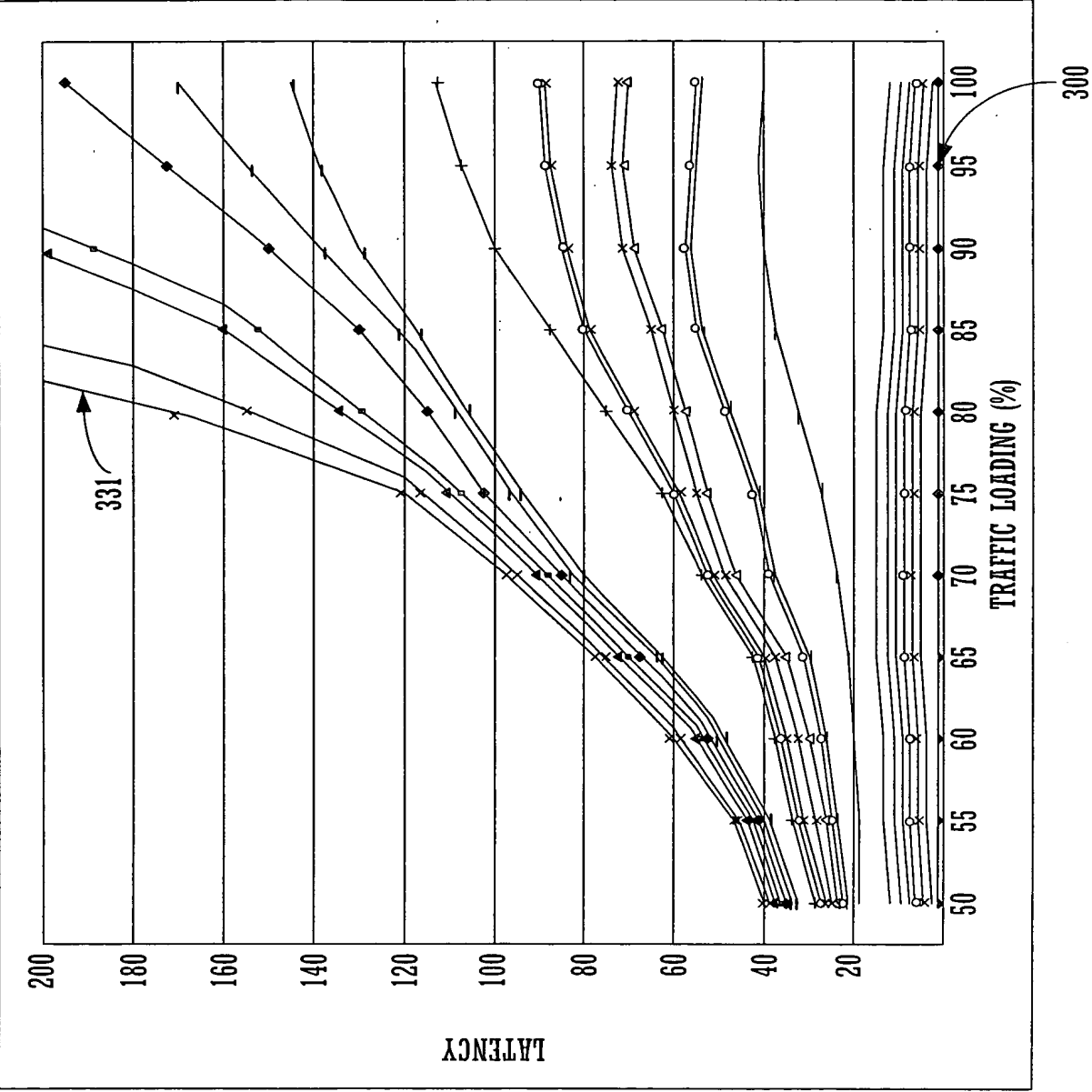


FIGURE 3

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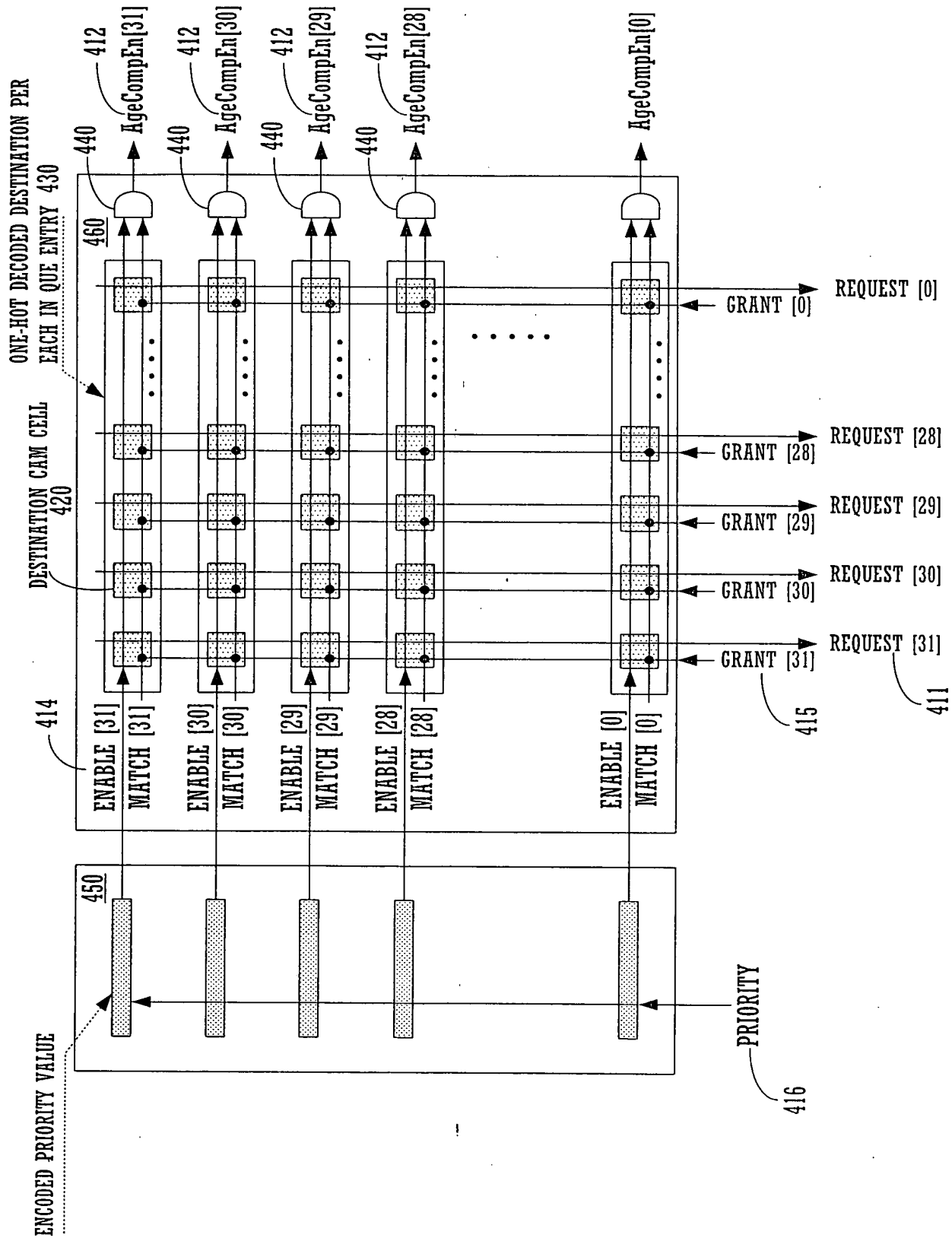


FIGURE 4A

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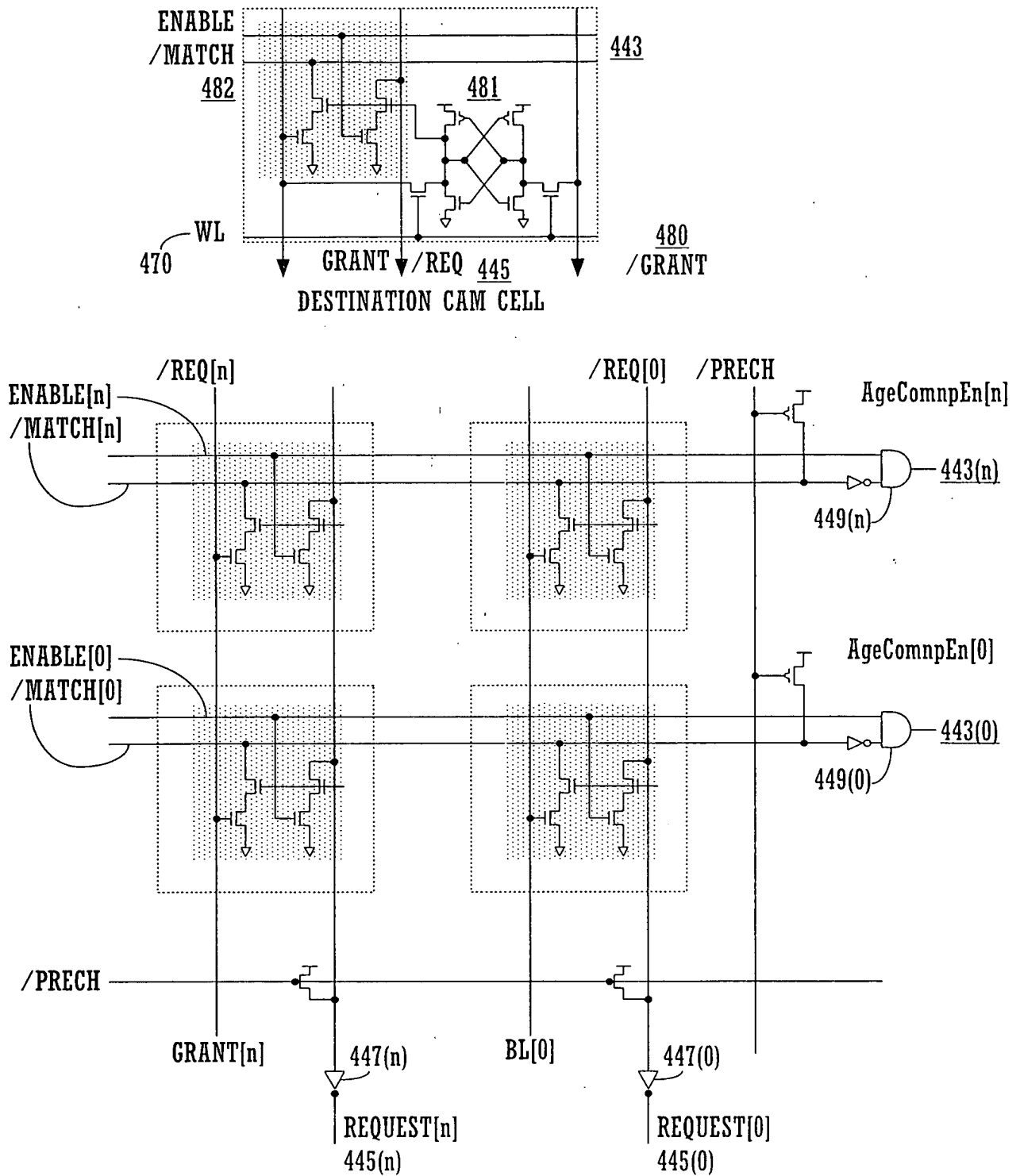


FIGURE 4B

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500

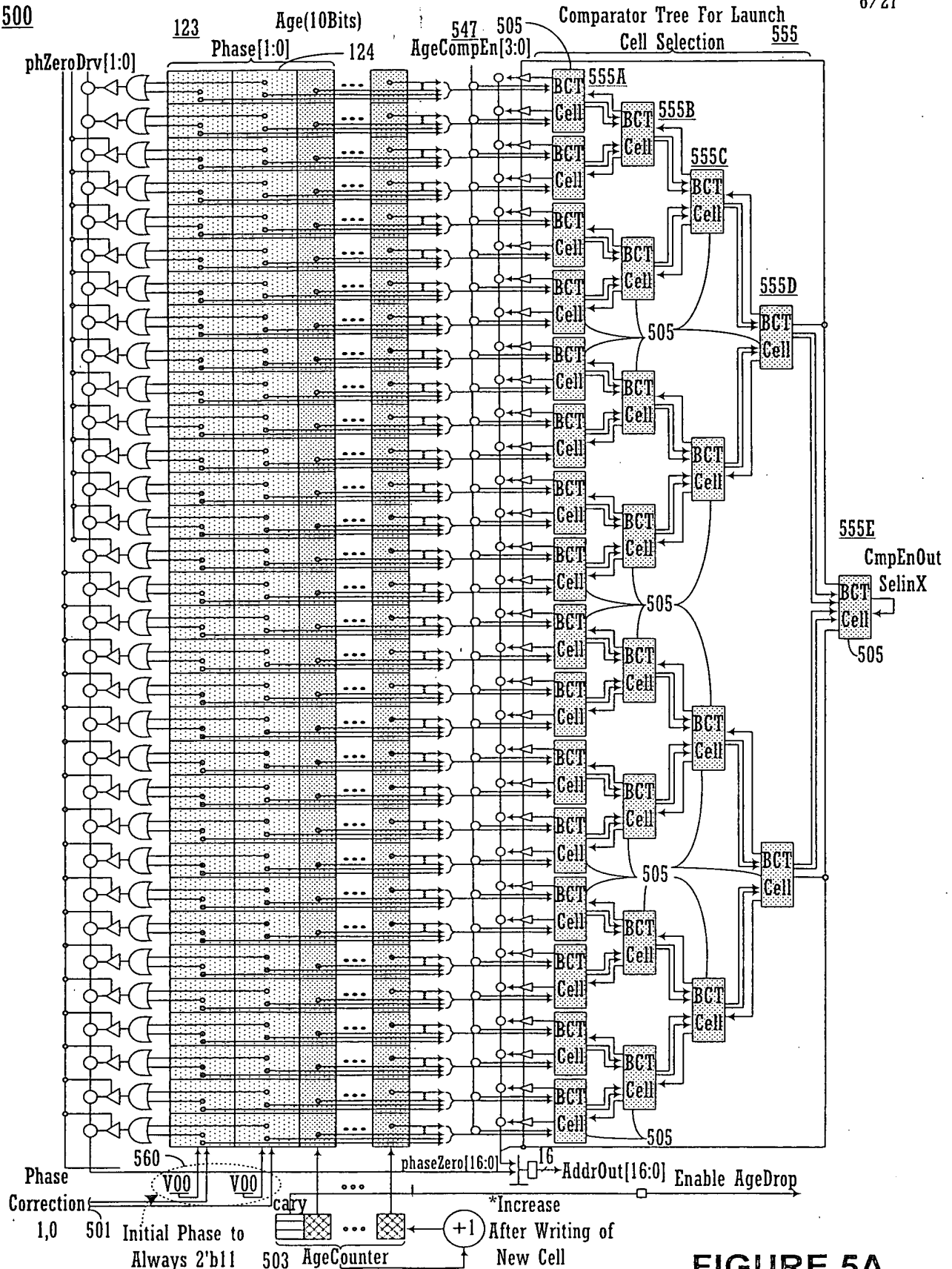


FIGURE 5A

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5000

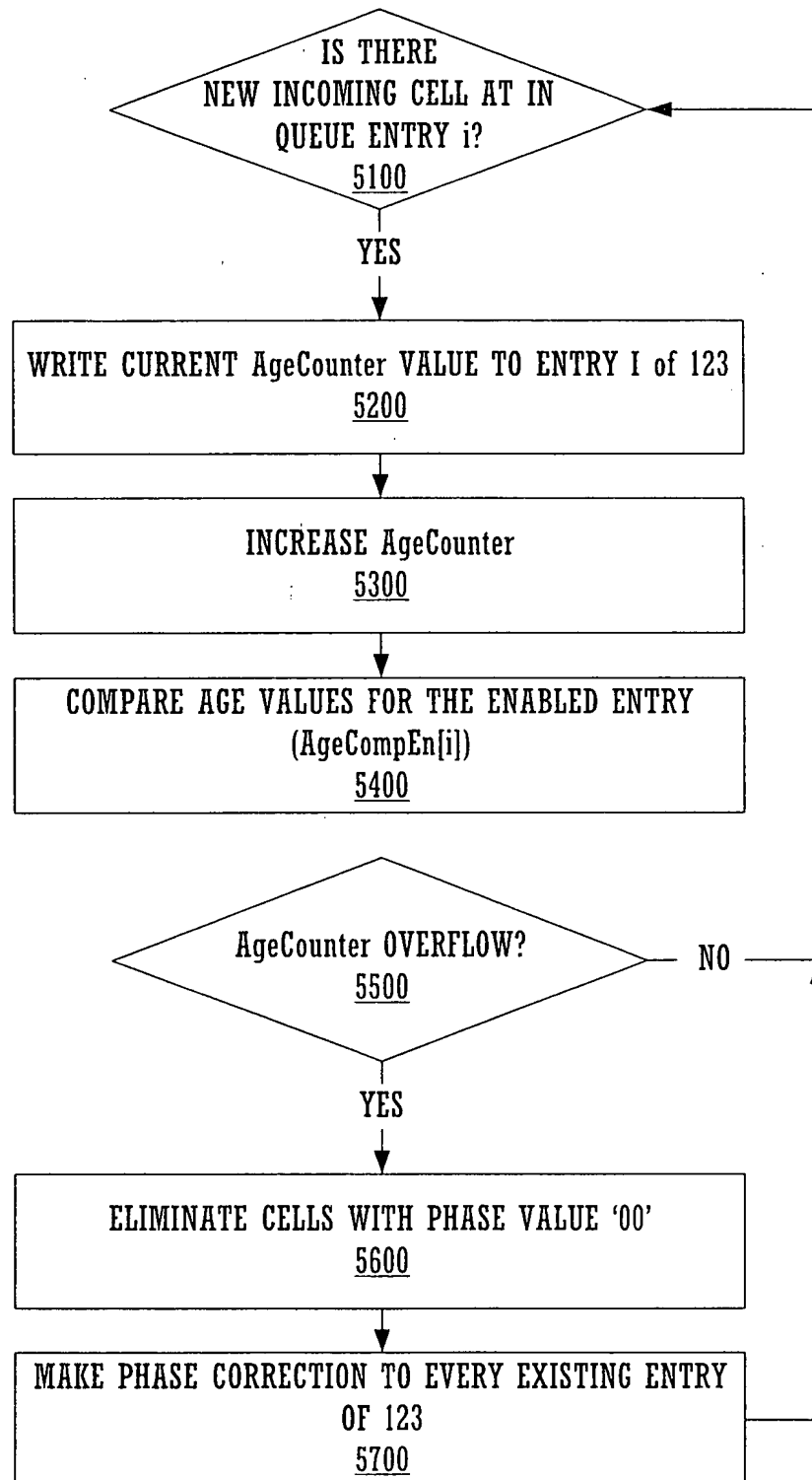
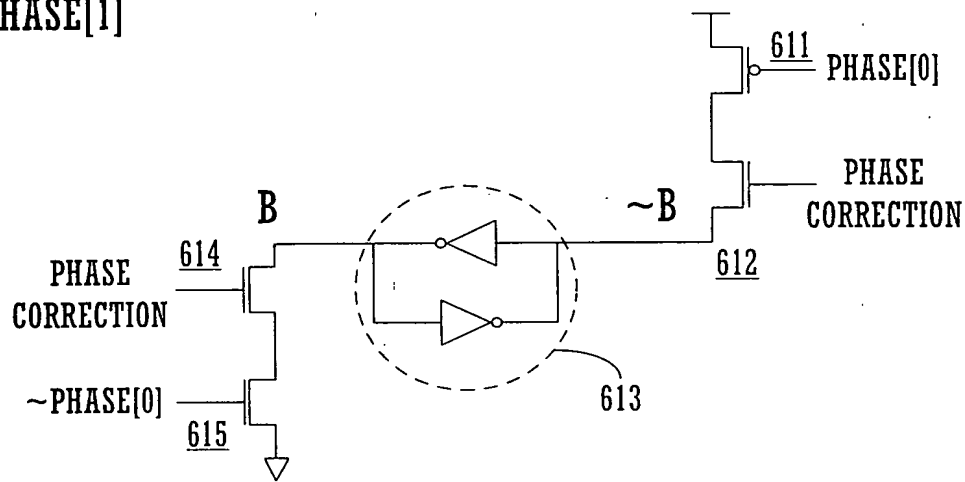


FIGURE 5B

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PHASE CELL STRUCTURE FOR THREE STEP SELF ADJUSTMENT  
(11 → 10 → 00 → INVALIDATE)

610  
PHASE[1]



620  
PHASE[0]

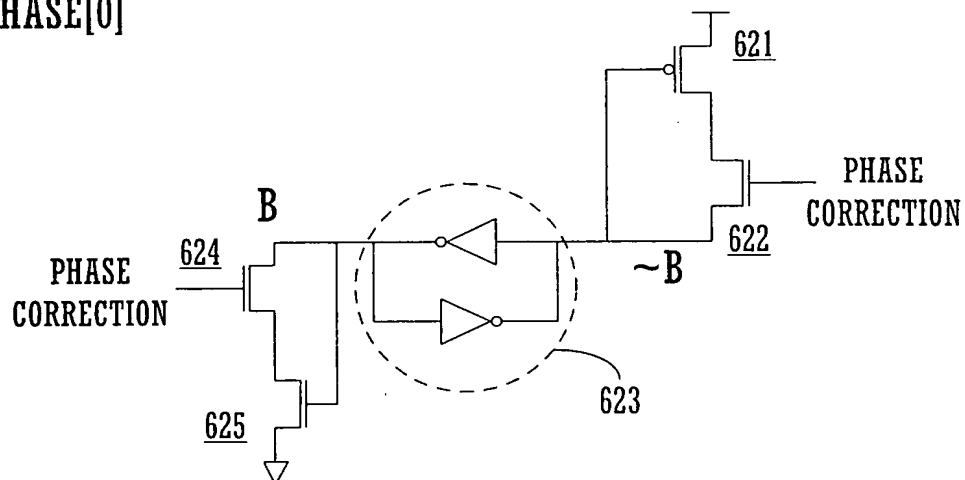


FIGURE 6



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BCT (BINARY COMPARATOR TREE) CELL STRUCTURE

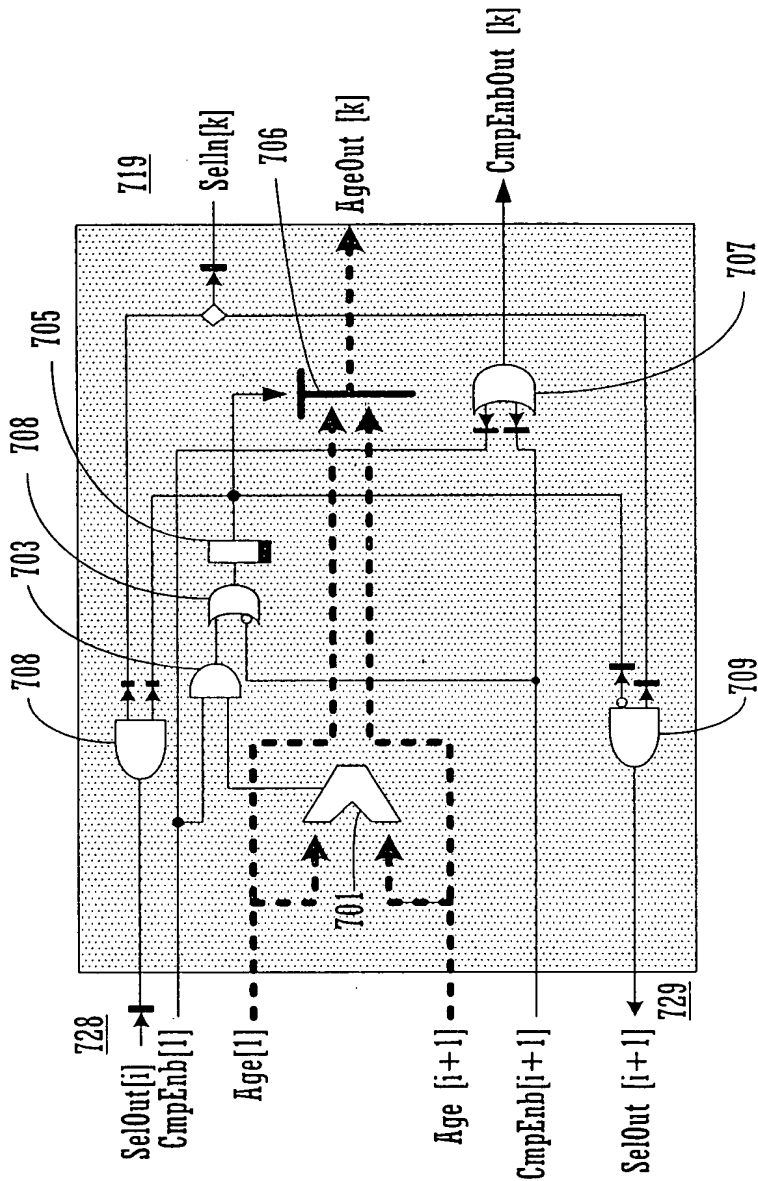


FIGURE 7

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1100

# INTERLEAVED AGE-PRIORITY BASED SELECTION

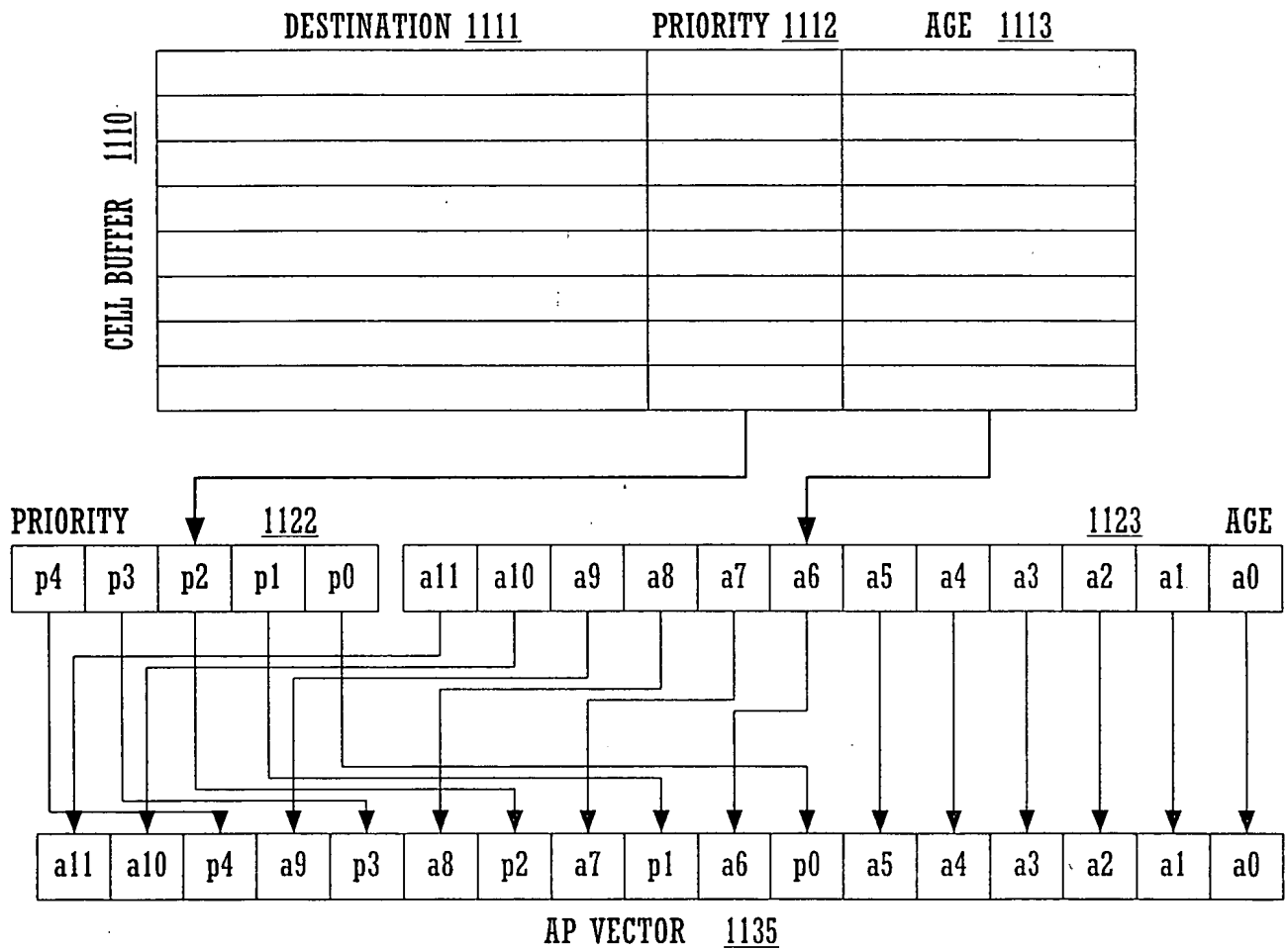


FIGURE 8

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1200

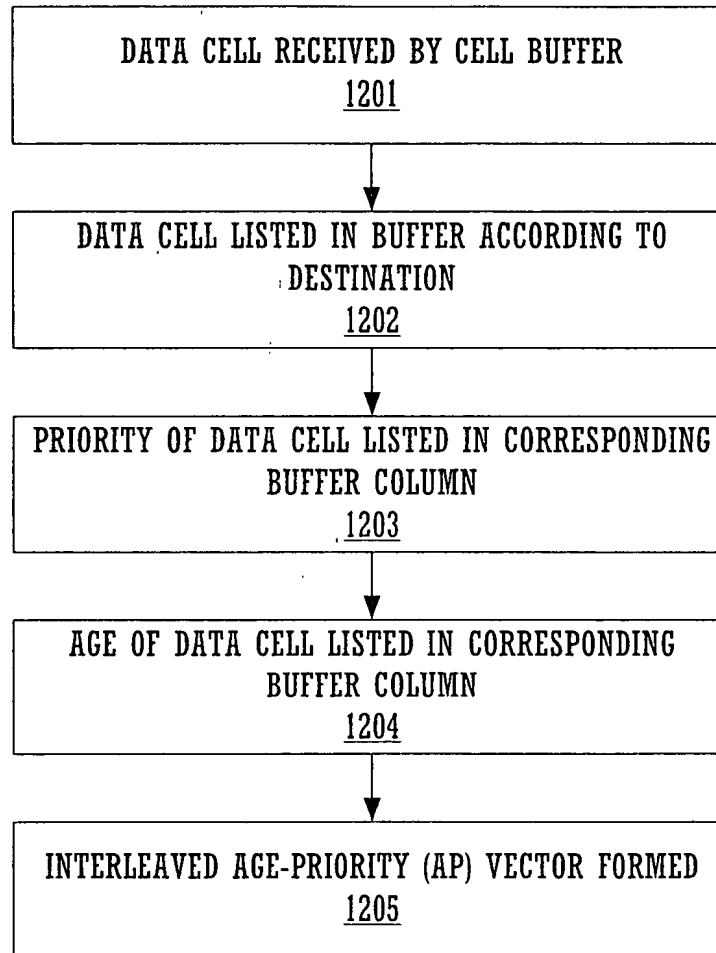


FIGURE 9

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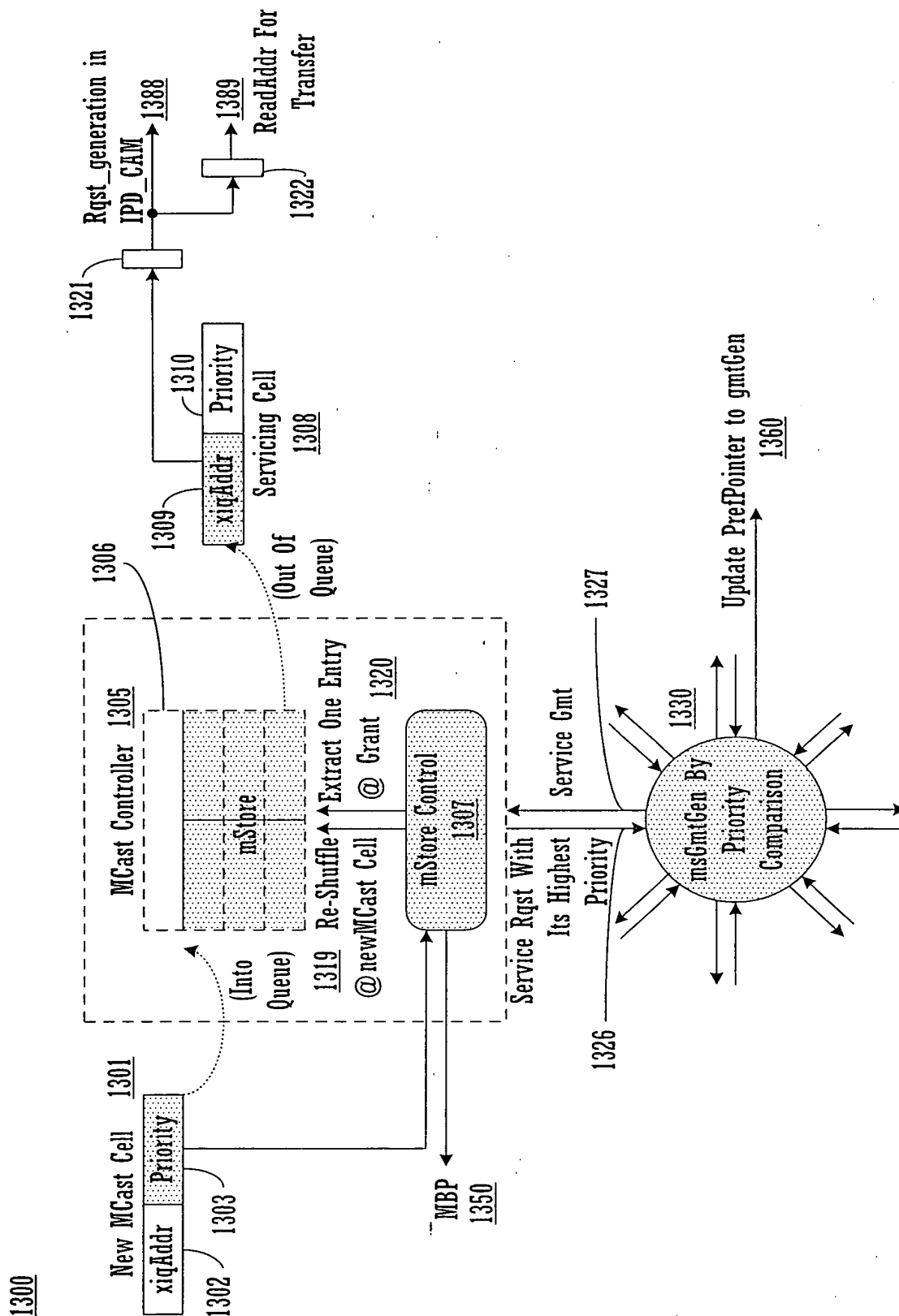


FIGURE 10

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1400

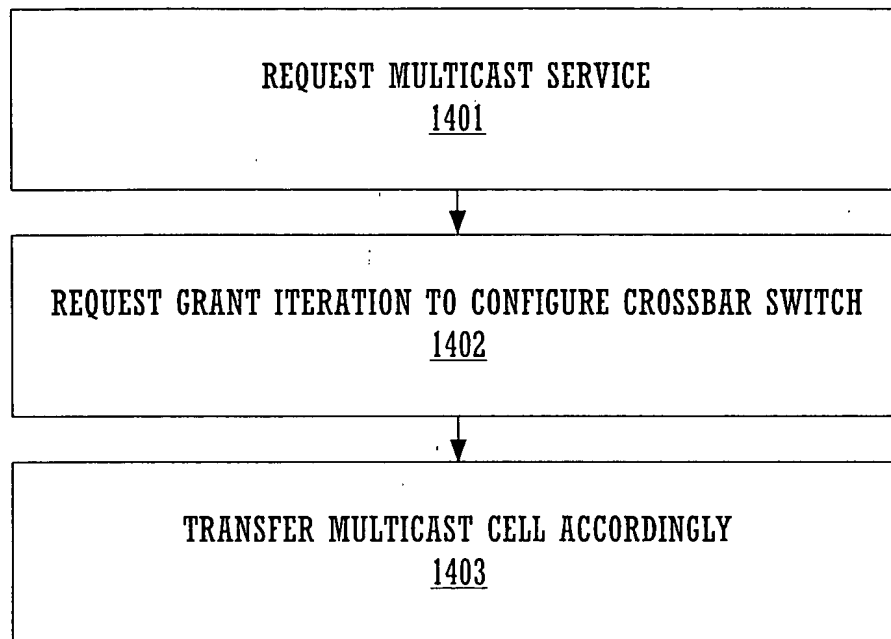


FIGURE 11A

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1450

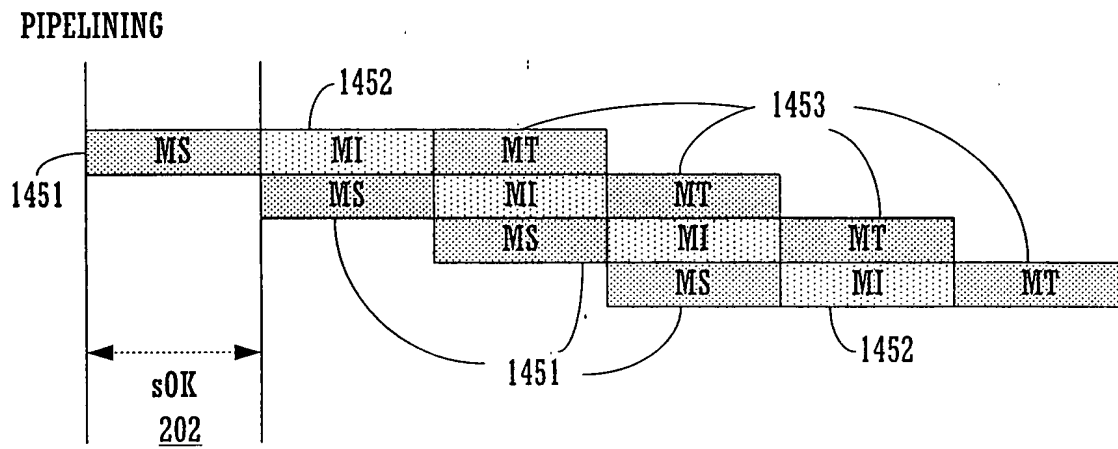


FIGURE 11B

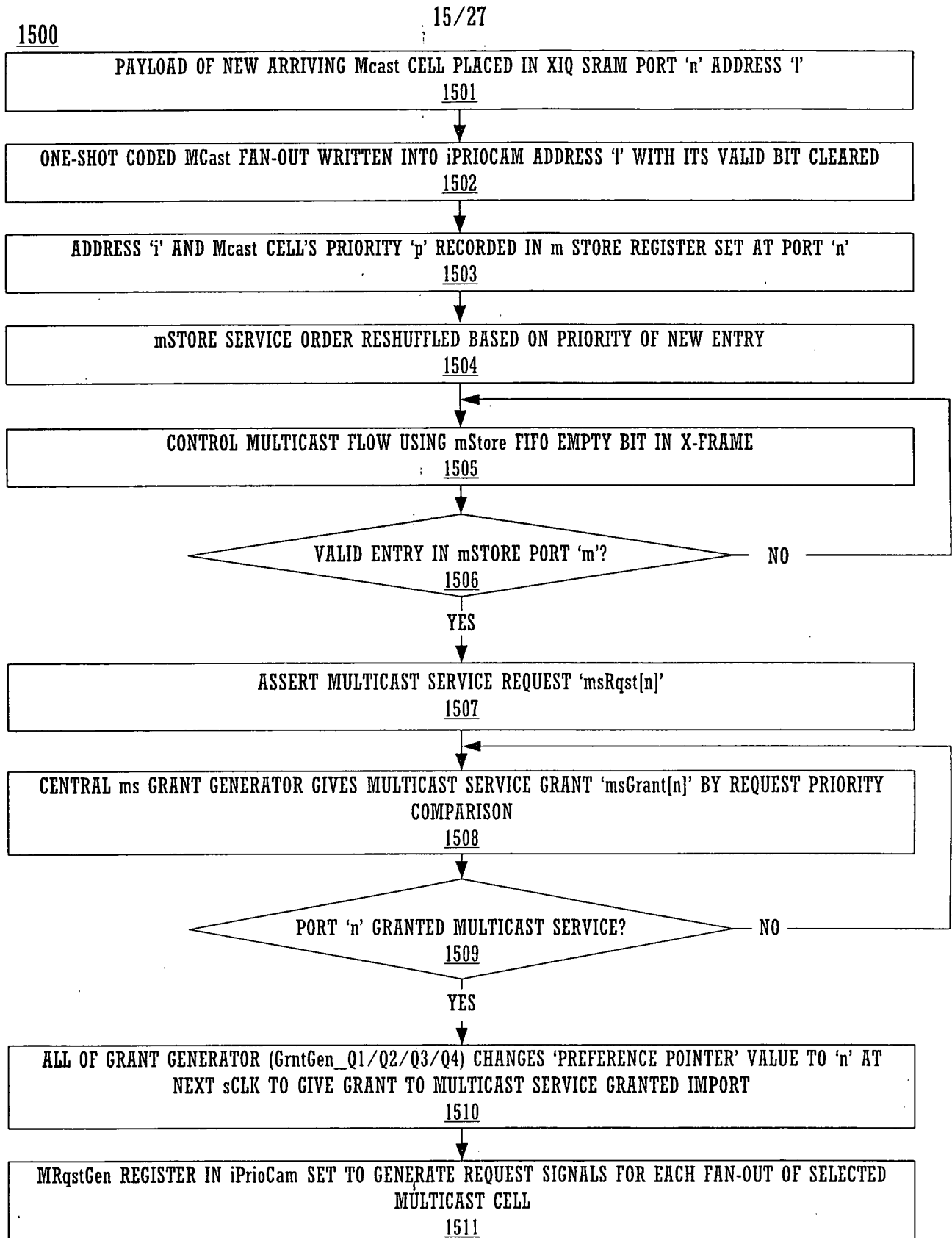


FIGURE 12

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1700

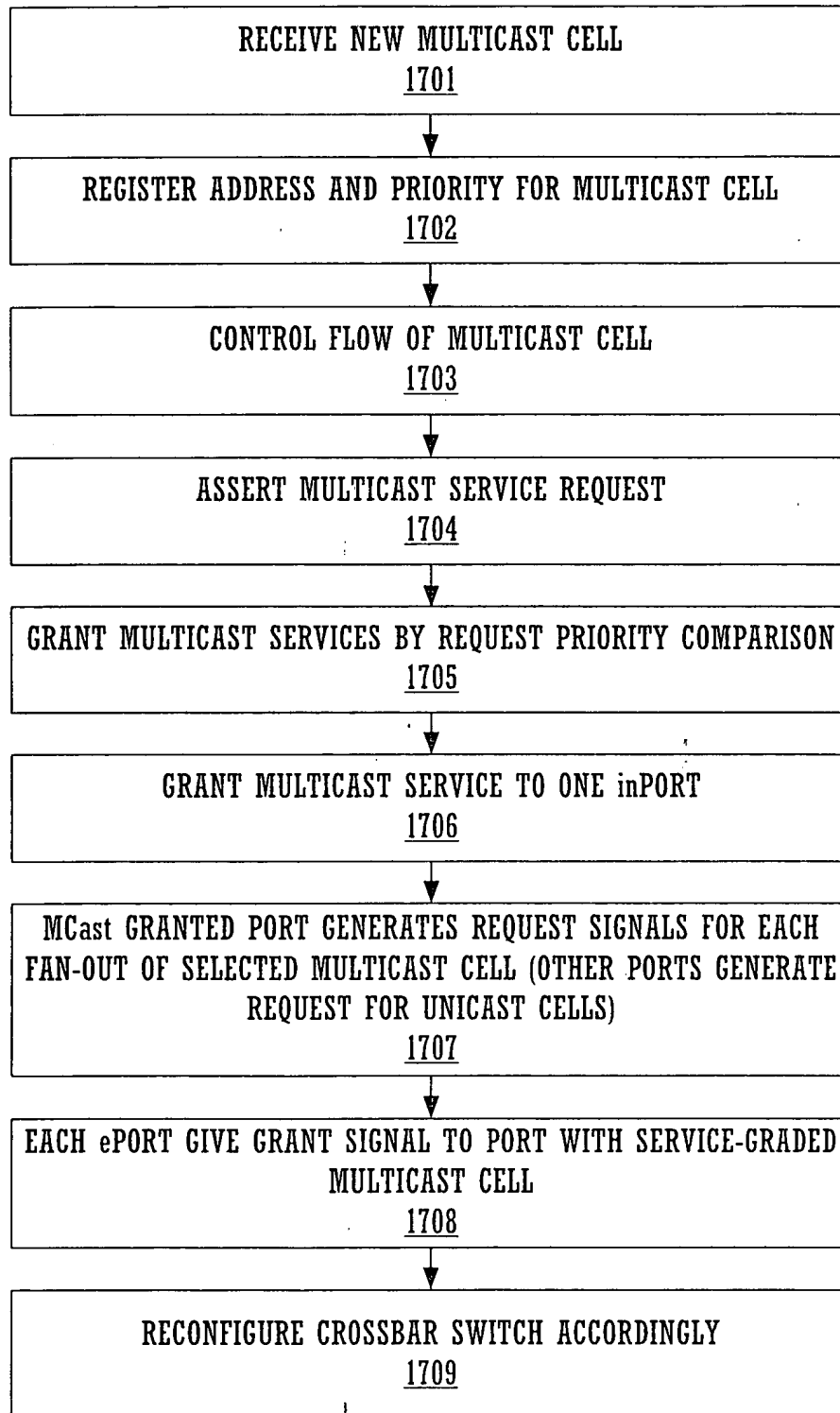


FIGURE 13



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1800

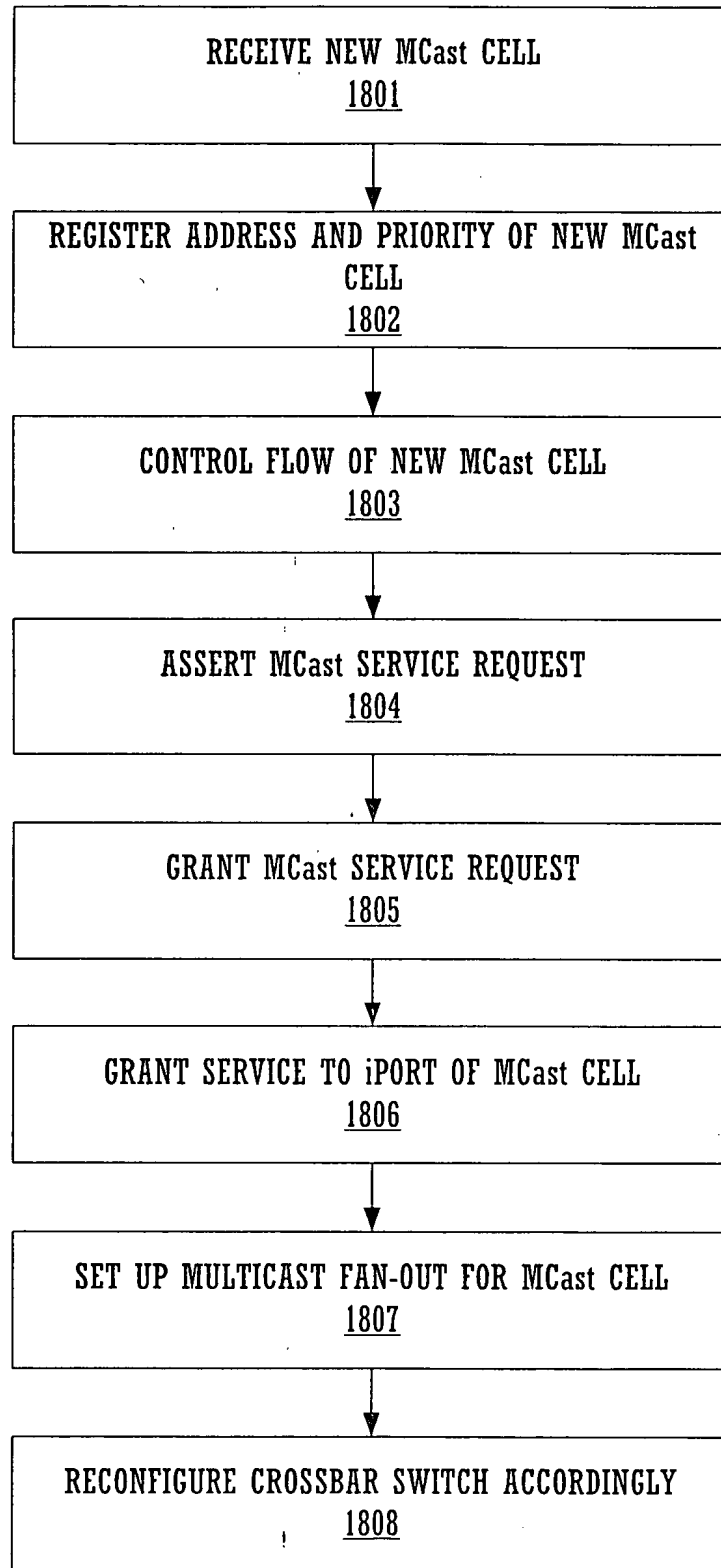


FIGURE 14

**Sig[ $j$ /] :**  $j$ -th SIGNAL AT LEVEL /



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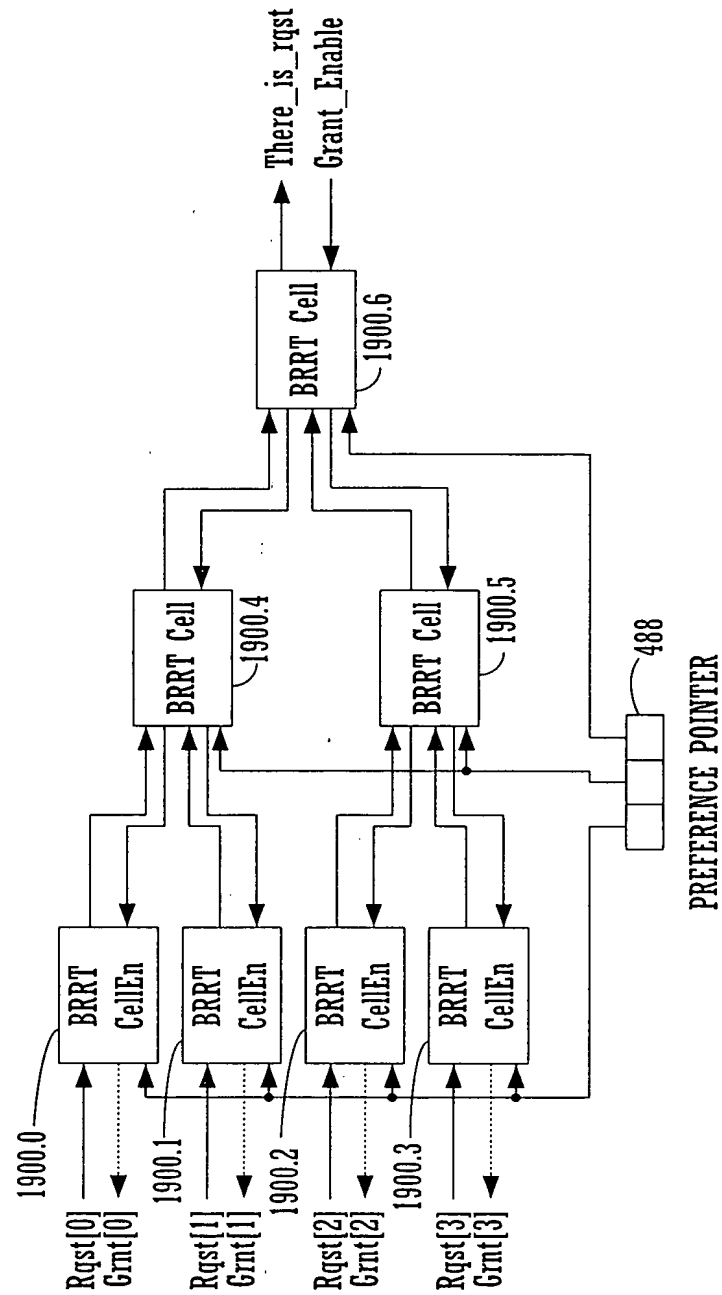


FIGURE 16A

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2000

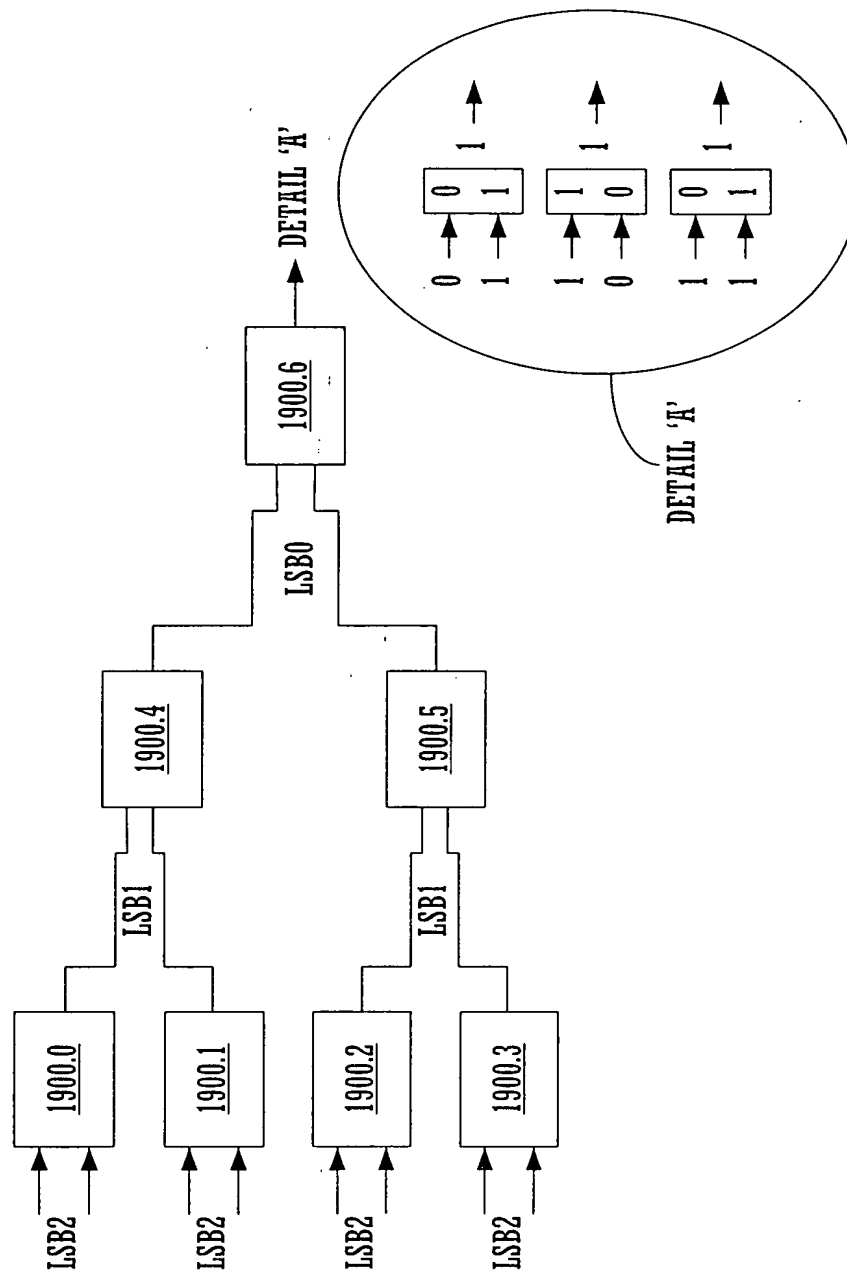


FIGURE 16B

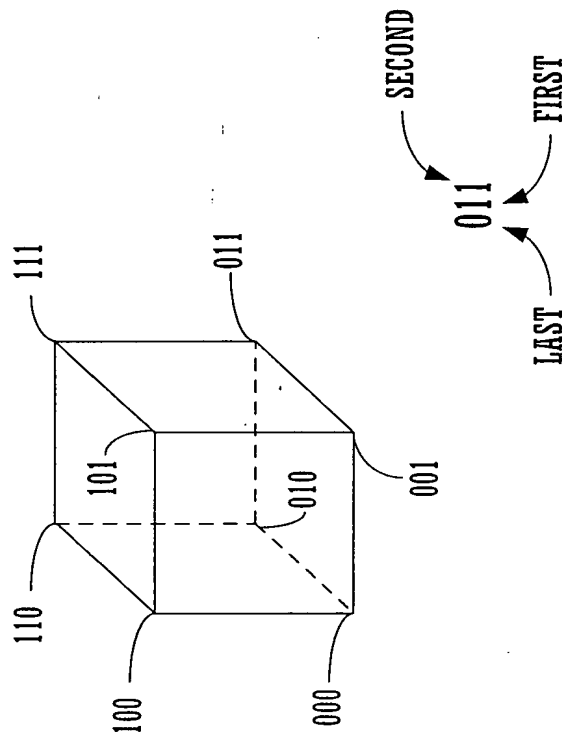


FIGURE 16C

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1900.21

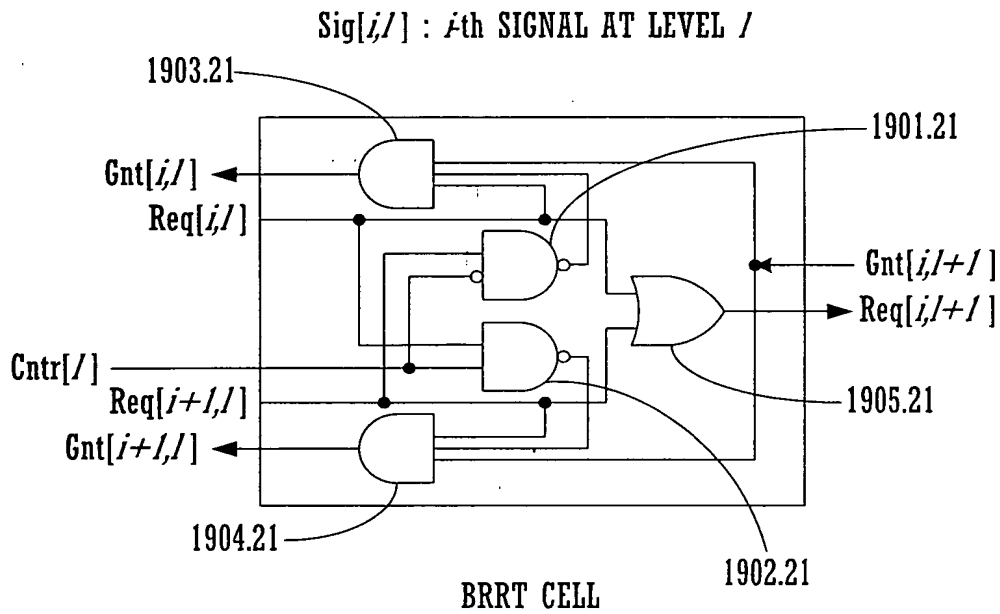


FIGURE 17

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1900.22

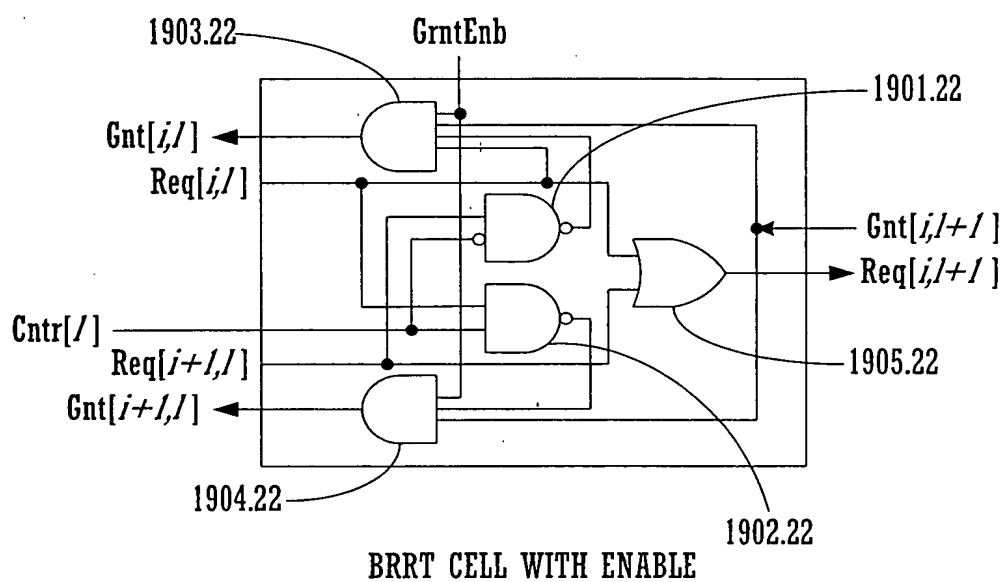
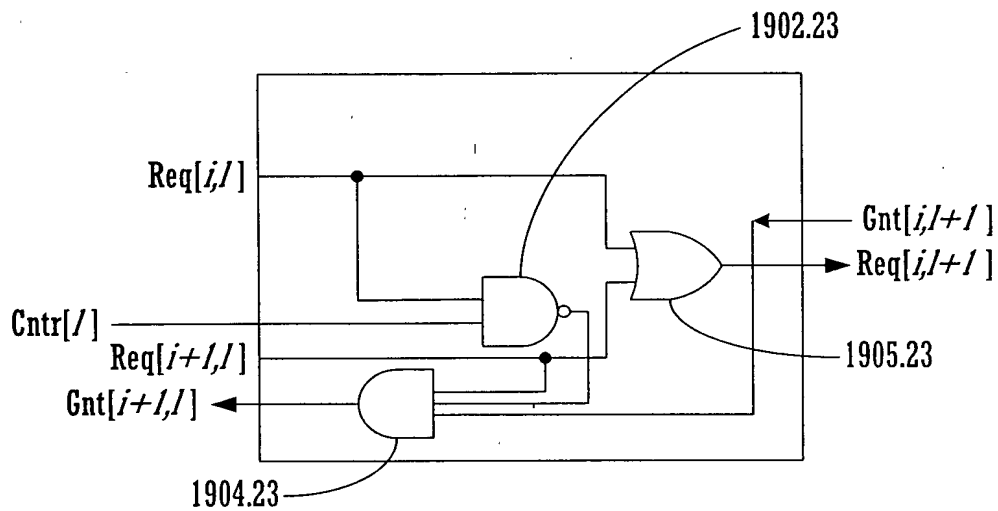


FIGURE 18

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1900.23



BRRT CELL WITH SINGLE GRANT

FIGURE 19



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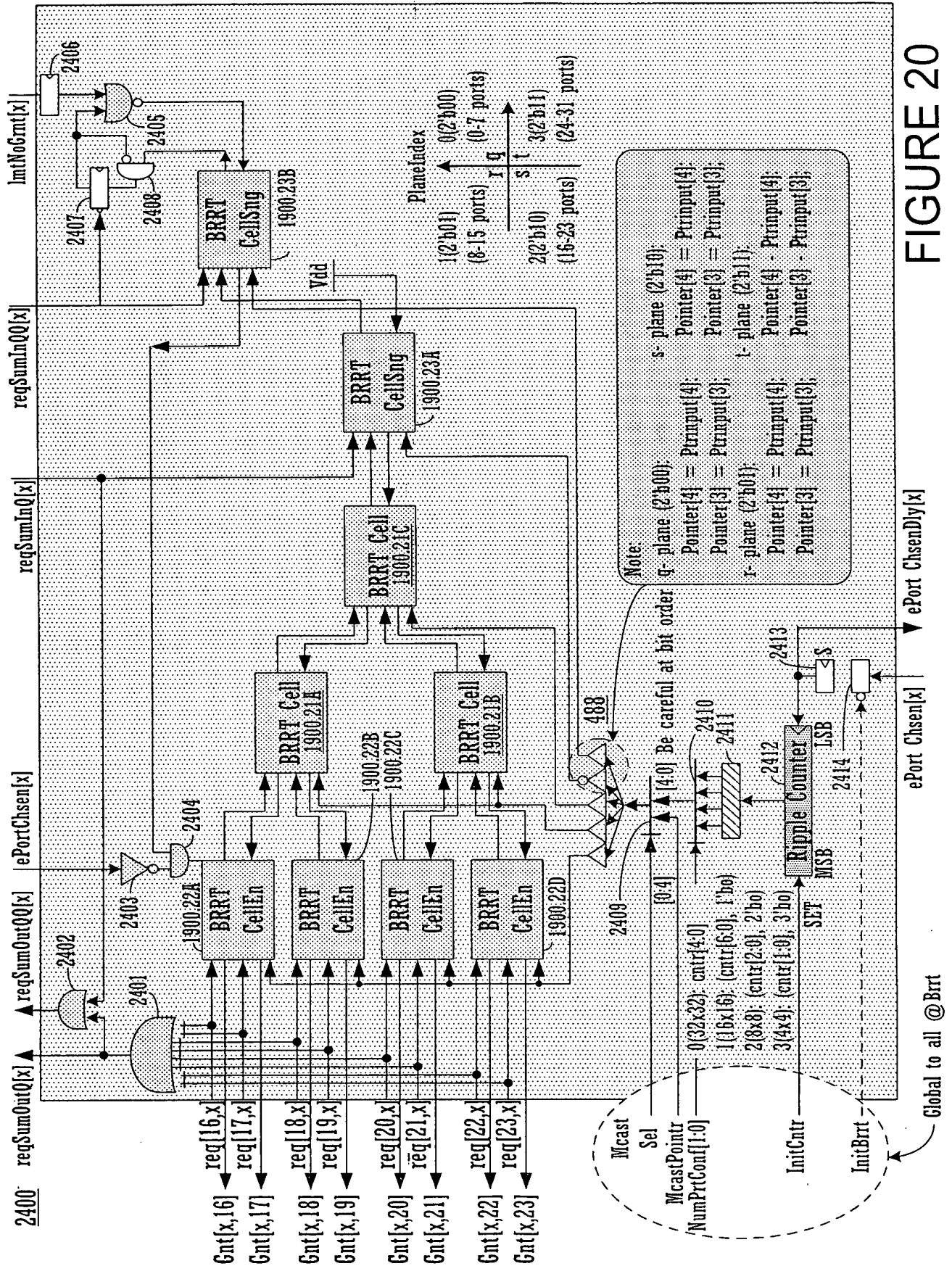


FIGURE 20

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2500

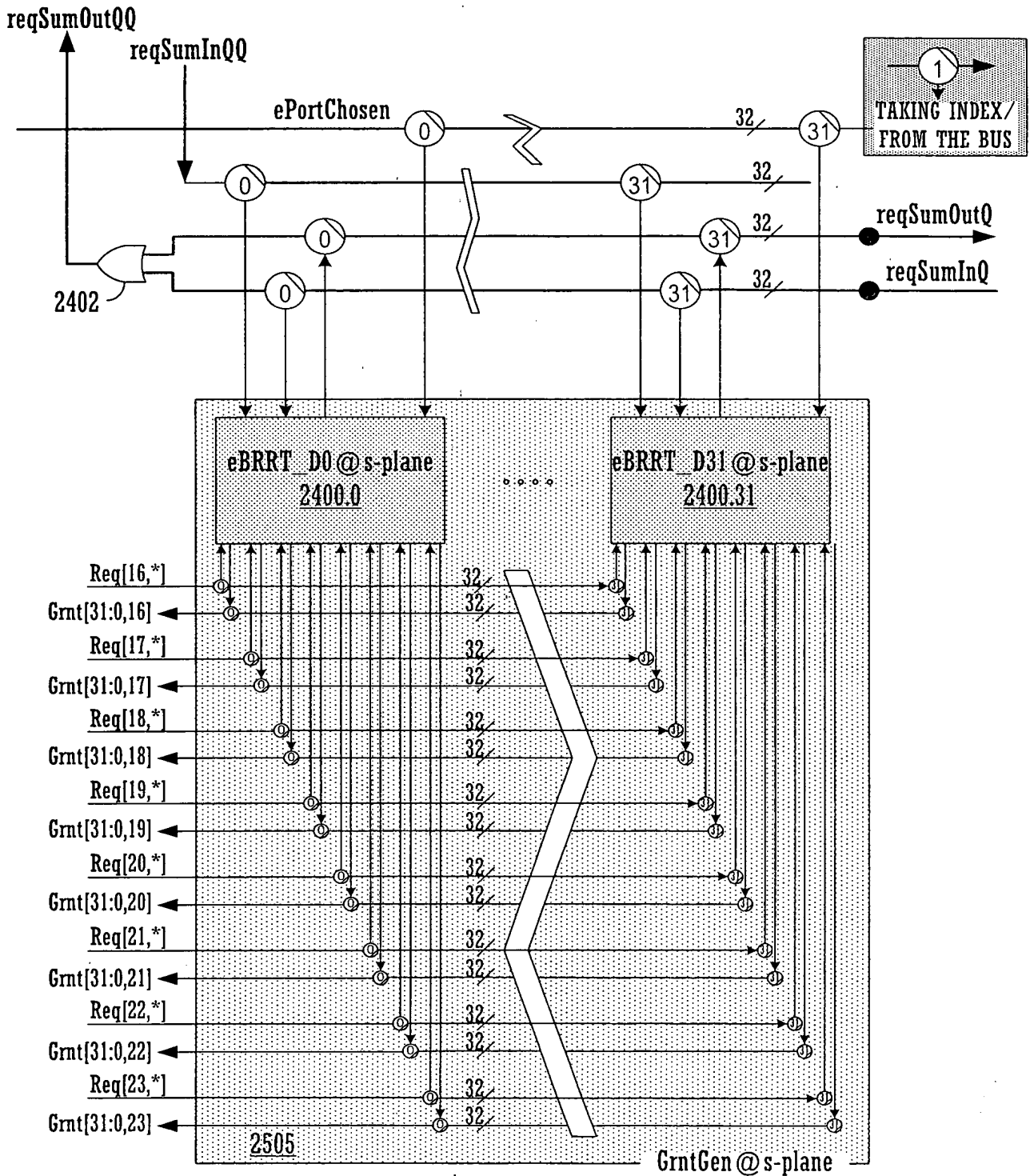


FIGURE 21

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2600

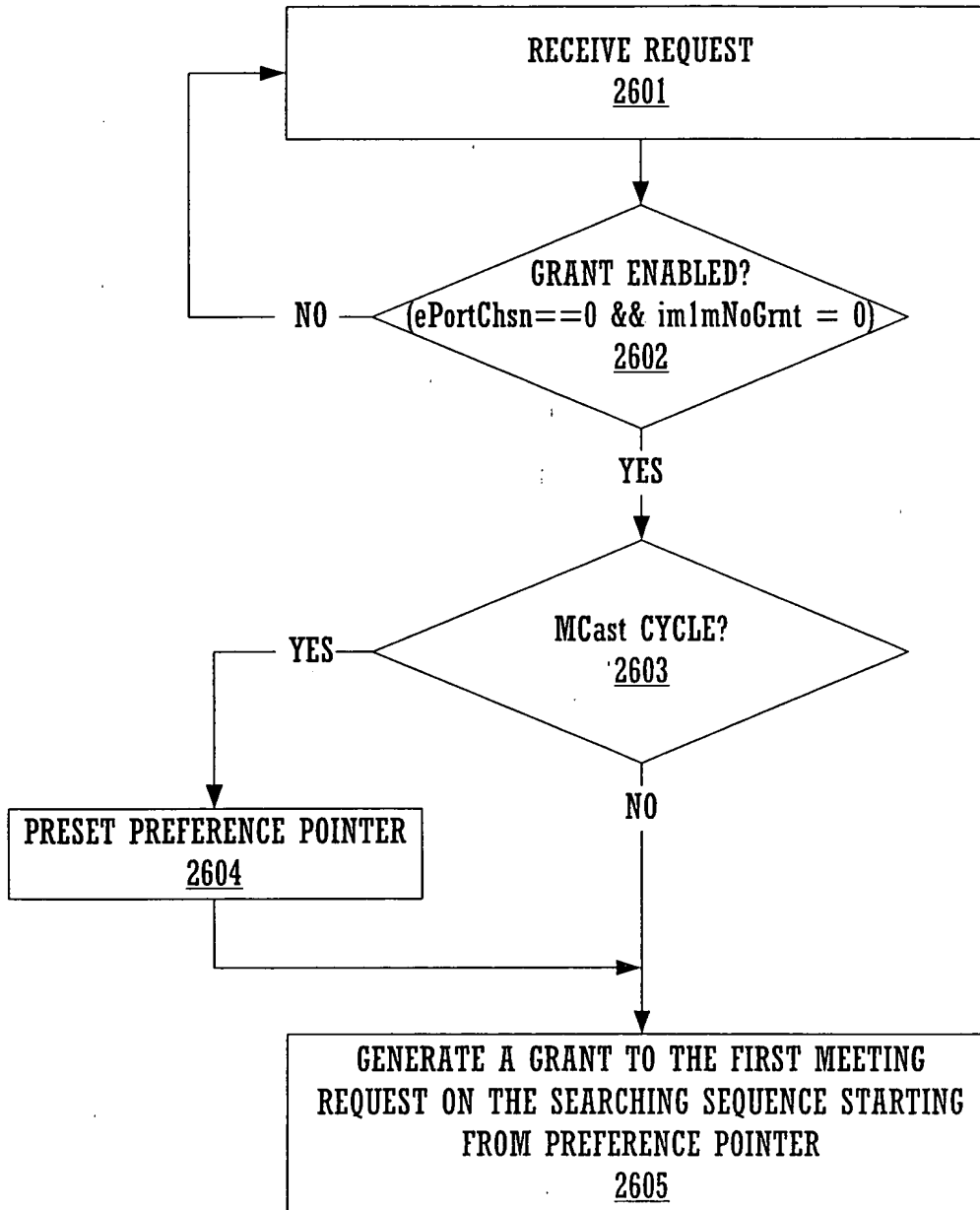


FIGURE 22